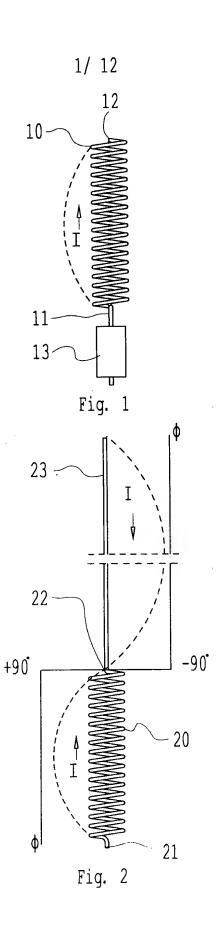
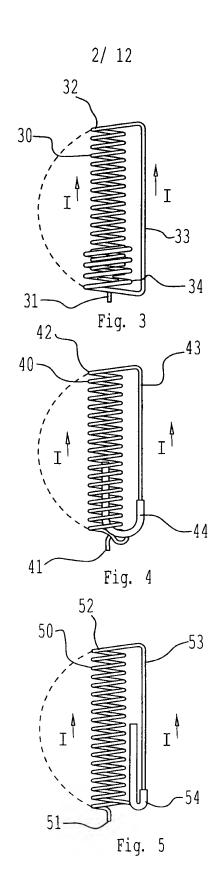
APPLIFILING DATE: JUNE 22, 2001
TITL NANTENNA FOR A PORTABLE COMMUNIC... APPARATUS COMPRISING SUCH AN ANTENNA INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEE )юи

**SHEET 1 OF 12** 



APPLIN FILING DATE: JUNE 22, 2001
TITLE ANTENNA FOR A PORTABLE COMMUN ON ... APPLICATION CASSEL ET AL.
APPLICATION NO.: SHEET 2 OF 12



APPLIN FILING DATE: JUNE 22, 2001
TITL ON ANTENNA FOR A PORTABLE COMMUN... APPARATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 3 OF 12

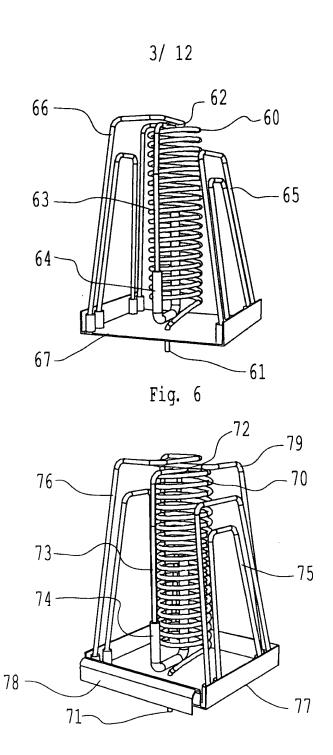
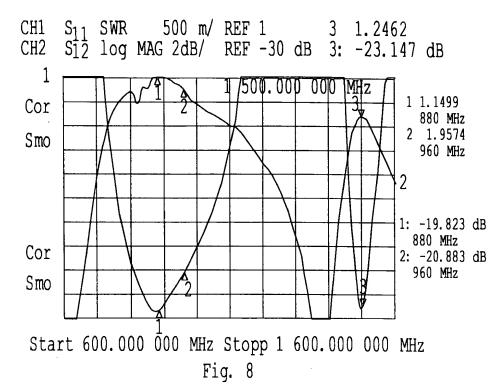


Fig. 7

APPLN FILING DATE: JUNE 22, 2001
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... APPRATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
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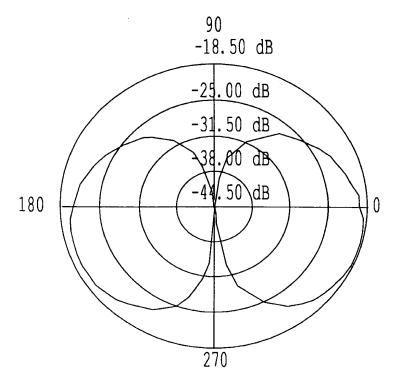
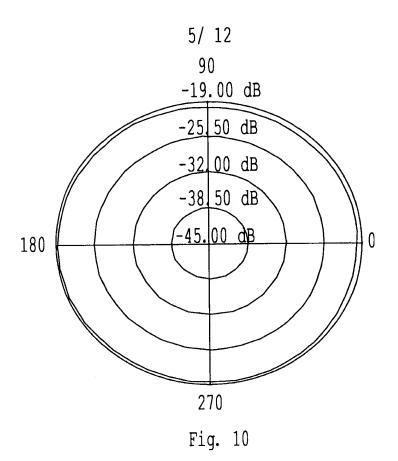
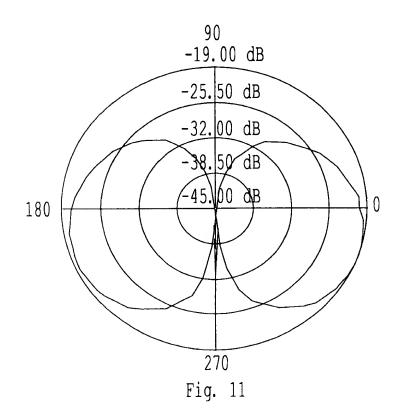


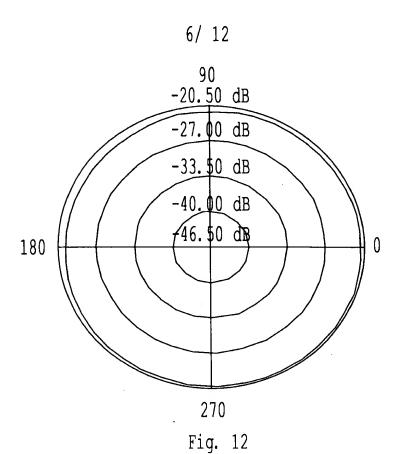
Fig. 9

APPLN. FILING DATE: JUNE 22, 2001
TITLE IN ANTENNA FOR A PORTABLE COMMUNICATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 5 OF 12

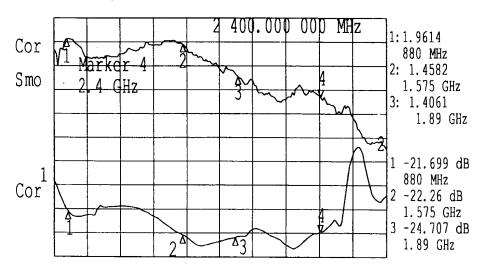




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TITLE ANTENNA FOR A PORTABLE COMMUN
... APPARATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 6 OF 12

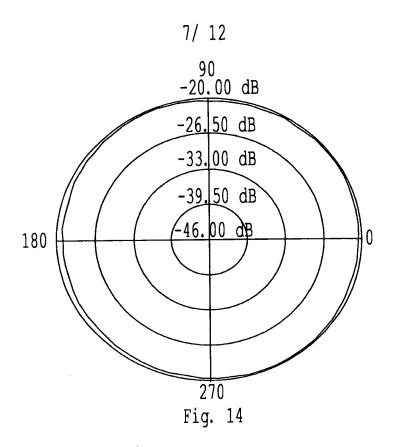


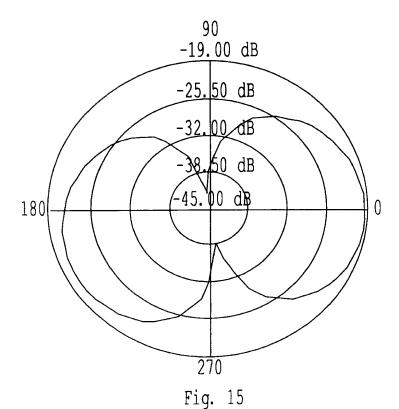
CH1  $S_{11}$  SWR 500 m/ REF 1 4: 1.5116 CH2  $S_{21}$  log MAG 2dB/ REF -30 dB 4: -26.451 dB



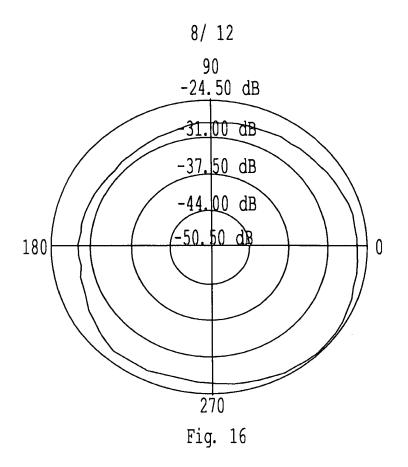
Start 800.000 000 MHz Stopp 2 800.000 000 MHz Fig. 13

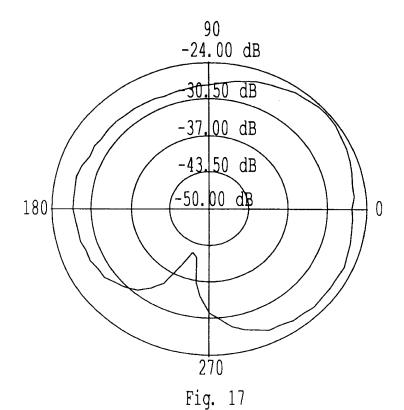
APPLY FILING DATE: JUNE 22, 2001
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... APPARATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 7 OF 12



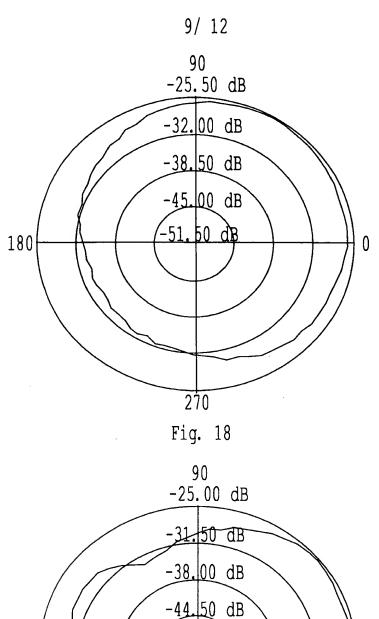


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... APPLICATION NO.: SHEET 8 OF 12





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TITL NANTENNA FOR A PORTABLE COMMUN
... APPRATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 9 OF 12



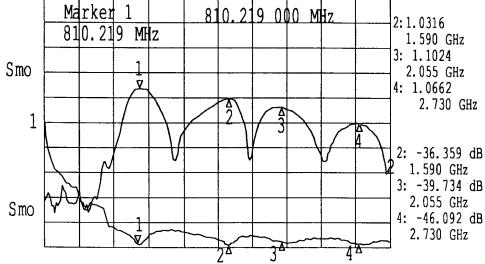
-31.50 dB -38.00 dB -44.50 dB -51.00 dB

Fig. 19

APPLN. FILING DATE: JUNE 22, 2001
TITLE ANTENNA FOR A PORTABLE COMMUNION
... APP TUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 10 OF 12

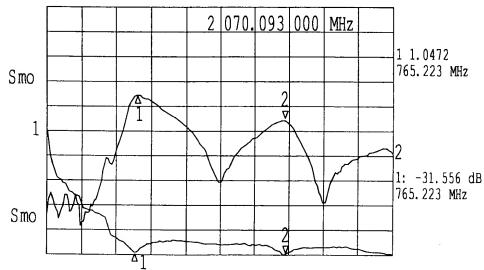
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CH1  $S_{11}$  SWR 500 m/ REF 1 1: 1.0578 CH2  $S_{21}$  log MAG 10dB/ REF -46 dB 1: -32.589 dB



Start .300 000 MHz Stopp 3 000.000 000 MHz Fig. 20

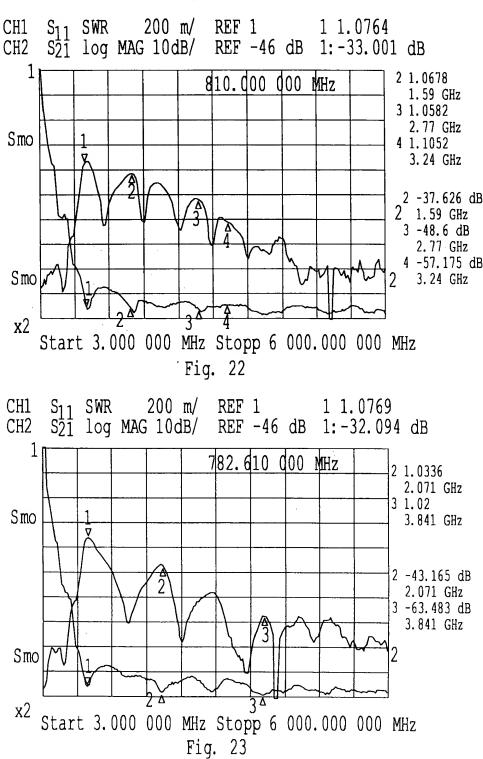
CH1  $S_{11}$  SWR 500 m/ REF 1 2 1.028 CH2  $S_{21}$  log MAG 10dB/ REF -46 dB 2:-41.628 dB



Start .300 000 MHz Stopp 3 000.000 000 MHz Fig. 21

APPLN LING DATE: JUNE 22, 2001
TITLE ANTENNA FOR A PORTABLE COMMUNION
... APPARATUS COMPRISING SUCH AN ANTENNA
INVENTOR(S): ERLAND CASSEL ET AL.
APPLICATION NO.: SHEET 11 OF 12

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APPLA FILING DATE: JUNE 22, 2001
TITLE ON ANTENNA FOR A PORTABLE COMMUNICATION APPARATUS COMPRISING SUCH AN ANTENNA INVENTOR(S): ERLAND CASSEL ET AL. **SHEET 12 OF 12** 

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APPLICATION No.:

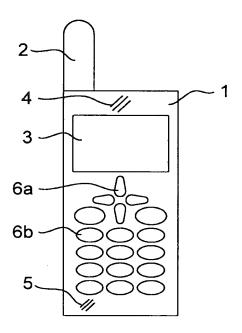


Fig. 24